

ABSTRACT OF THE DISCLOSURE

When the destinations of local electrical signals are local computers, the local electrical signals are transmitted to the corresponding destination local computers via the keyboard video mouse (KVM) switch directly. When the destinations of the local electrical signals are remote computers, at least one network packet having multiple data sections for correspondingly storing the local electrical signals is generated by the current KVM switch referring to the local electrical signals. A communication is established among a plurality of the KVM switches using a network protocol, for communicating the network packets thereof. At least one remote electrical signal is obtained from another network packet transmitted by another KVM switch, and then is transmitted to the corresponding destination local computer.